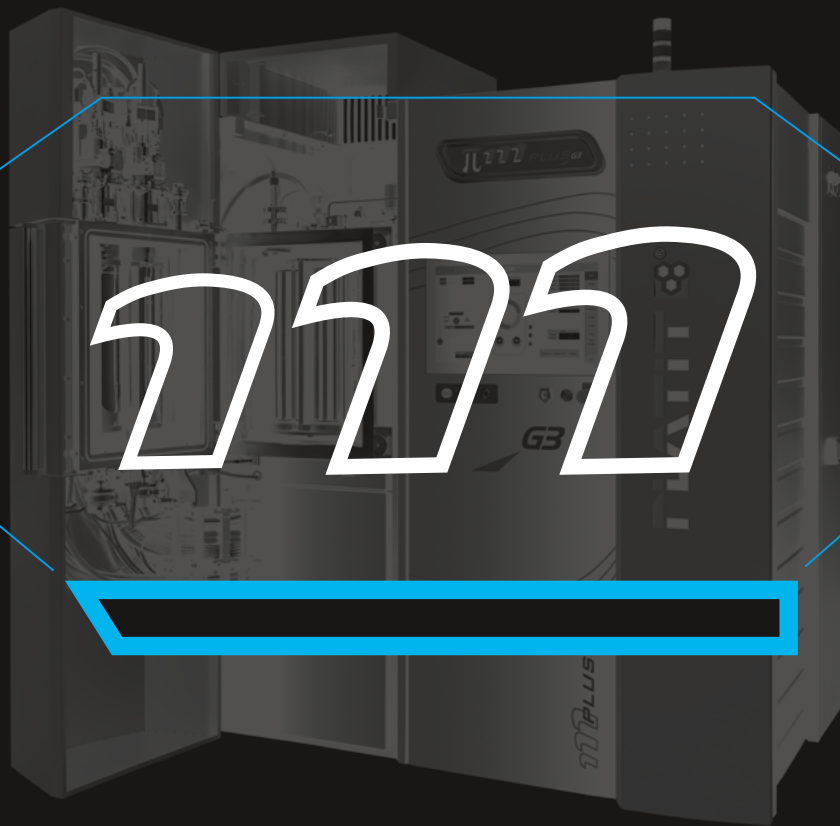


Smart Speed Unit



PLATIT COATING INTELLIGENCE

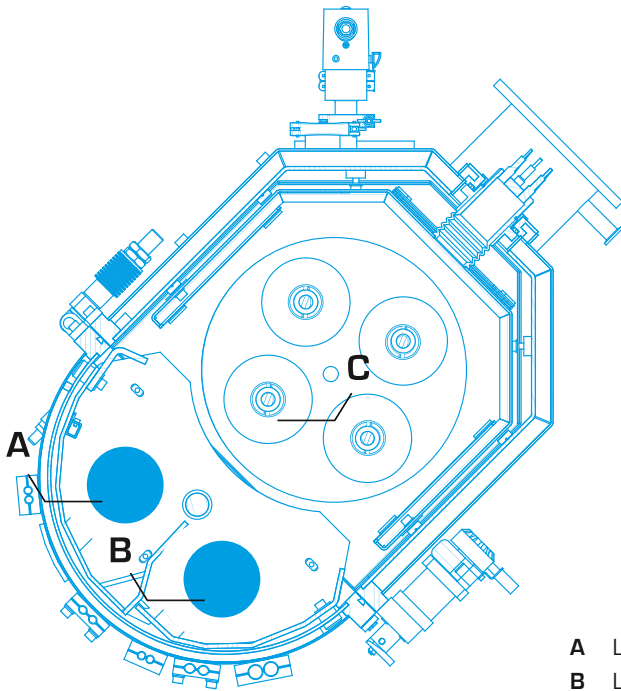


PLATIT® 11 - Series

111 Smart Speed Unit



ARC TECHNOLOGY – 2 ROTATING CATHODES



- A LARC® PLUS Cathode
- B LARC® PLUS Cathode
- C Carousel



The Pi111 PLUS G3 represents the third generation of a compact PVD coating unit from PLATIT. Its key features are fast cycle times, easy operation and user-friendliness at a favorable price – without compromising coating performance. Having two rotating cathodes utilizing ARC technology, the unit deposits selected PLATIT Signature Coatings at a consistently high level of quality. It is the ideal choice for customers looking to enter the coating world or wanting to add a fast low-volume PVD system to their fleet of machines.







OVERVIEW

Technologies applied:
 2 x LARC® PLUS (Lateral Rotating PLUS Cathode) for ARC deposition

Advantages of LARC® PLUS compared to LARC®:

- Improved target utilization (up to 30 %)
- Enhanced magnetic-field system, thus increased deposition rate
- Quick cathode exchange



- | | | | | | |
|--|--|---|---|---|--|
| Targets
2
 | Signature Coatings
 | Cycle
≥ 4.5 h
 | Max. Load
160 kg
 | Solution
Turnkey
 | Service
Worldwide
 |
|--|--|---|---|---|--|

SPECIFICATIONS

Etching technologies applied:

- LGD® (Lateral Glow Discharge)
- Plasma etching with argon, glow discharge
- Metal ion etching (Ti, Cr)

Load and cycle times:

- Max. coating volume: \varnothing 353 x H 498 [mm]
- Max. coating height with defined coating thickness: 414 mm
- Max. load: 160 kg

4 - 5 batches/day for*:

Shank tools (2 μ m):	\varnothing 10 x 70 [mm]	288 pcs.	4.5 h
Inserts (3 μ m):	\varnothing/\square 20/14 x 6 [mm]	1680 pcs.	5.5 h
Hobs (4 μ m):	\varnothing 80 x 180 [mm]	8 pcs.	7 h
Hobs (4 μ m):	\varnothing 75 x 180 [mm]	20 pcs.	7 h

* Average cycle times for a typical coating mix in a production environment.

Modular carousel systems:

- Dual-rotation kicker carousel or triple-rotation gearbox system

Software:

- Simple use and maintenance
- PLATIT SmartSoftware (PC and PLC system)
- Modern control system with touch screen
- Data recording and real-time display of process parameters and flow
- Manual and automatic process control
- Remote diagnostics and maintenance

Machine dimensions:

- Footprint: W 2000 x D 1550 x H 2250 [mm]



VISIT US AT: WWW.PLATIT.COM



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